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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/731,098	12/10/2003	Chin Yuan Wang	MR1683-516	4502
4586	7590	08/10/2005	EXAMINER	
ROSENBERG, KLEIN & LEE 3458 ELLICOTT CENTER DRIVE-SUITE 101 ELLICOTT CITY, MD 21043			QUARTERMAN, KEVIN J	
			ART UNIT	PAPER NUMBER
			2879	

DATE MAILED: 08/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/731,098	WANG, CHIN YUAN	
Examiner	Art Unit		
Kevin Quarterman	2879		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 10 December 2003.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-7 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) Claim(s) _____ is/are allowed.
6) Claim(s) 1-7 is/are rejected.
7) Claim(s) _____ is/are objected to.
8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 10 December 2003 is/are: a) accepted or b) objected to by the Examiner.

 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) Notice of Informal Patent Application (PTO-152)
6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wang (US 6,459,211) in view of Haynes (US 6,011,352).

3. Regarding independent claim 1, Figure 4 of Wang shows an electroluminescent comprising a base layer (21), the base layer being transparent (col. 2, ln. 59); a front electrode (22) piled up the base layer, the front electrode being transparent (col. 2, ln. 60), the front electrode electrically connected to a driving circuit (col. 3, ln. 4-6); a lighting layer (30) piled up the front electrode layer, the lighting layer including multiple lighting particles (31) arranged therein; an induce layer (40) piled up the lighting layer; a back electrode layer (50) piled up the induce layer, the back electrode layer electrically connected to the driving circuit; and an insulating layer (60) coating the lighting layer, the induce layer, and the back electrode layer.

4. Wang teaches the claimed limitations discussed above but fails to exemplify each lighting particle having an outer periphery fully coated with an optical transform layer.

5. In Figure 4, Haynes teaches that it is known in the art to provide electroluminescent devices with lighting particles (20) having an outer periphery fully

coated with an optical transform layer for converting light into light with different spectral characteristics (col. 3, ln. 6-8).

6. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the device of Wang with the lighting particles having the optical transform layer taught by Haynes for changing a color of light ray from the lighting particles.

7. Regarding claim 2, Figure 4 of Haynes shows the lighting particle further comprising a protect layer (26) disposed between the outer periphery of the lighting particle and the optical transform layer.

8. Regarding claim 3, Haynes discloses the optical transform layer consisting of multiple dyeing materials (col. 3, ln. 6-10).

9. Regarding claim 4, Haynes discloses the front electrode layer and the back electrode layer comprising a terminal extending therefrom and respectively electrically connected to the driving circuit (col. 3, ln. 4-6).

10. Regarding claim 5, Haynes discloses the optical transform layer consisting of multiple dyeing materials (col. 3, ln. 6-10).

11. Regarding claim 6, Haynes discloses the front electrode layer and the back electrode layer comprising a terminal extending therefrom and respectively electrically connected to the driving circuit (col. 3, ln. 4-6).

12. Regarding claim 7, Haynes discloses the front electrode layer and the back electrode layer comprising a terminal extending therefrom and respectively electrically connected to the driving circuit (col. 3, ln. 4-6).

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Wang (US 6,771,020) discloses a double-face lighting electroluminescent device. Wang (US 6,721,022) discloses a liquid crystal display with electroluminescent cell having a double-face backlight effect. Wang (US 6,730,935) discloses an anti-penetration structure of EL device. Wang (US 6,696,795) discloses a damping and muffling structure for EL device. Wang (US 6,459,211) discloses a damping/muffling structure for EL cell.

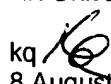
Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quarterman whose telephone number is (571) 272-2461. The examiner can normally be reached on M-TH (7-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kevin Quarterman
Examiner
Art Unit 2879


kq
8 August 2005


Joseph Williams
Primary Examiner
Art Unit 2879